



THE JAMES WEBB SPACE TELESCOPE

English



- Will be the premier space observatory for astronomers worldwide, extending the tantalizing discoveries of the Hubble Space Telescope.
- An international collaboration among NASA, the European Space Agency, and the Canadian Space Agency.
- The largest telescope ever placed in space; 100 times more powerful than Hubble.
- So big it has to fold origami-style to fit in the rocket and will unfold like a "Transformer" in space.
- Has a 5-layer sunshield that protects the telescope from the infrared radiation of the Sun, Earth, and Moon; like having sun protection of SPF 1 million.
- With unprecedented infrared sensitivity, it will peer back in time over 13.5 billion years to see the first galaxies born after the Big Bang.
- Will orbit the Sun 1.5 million kilometers from the Earth. (Hubble orbits 560 kilometers above the Earth.)
- Will launch from French Guiana in 2018.

jwst.nasa.gov